

JAN 15 1982

HAZARDOUS MATERIAL DATA
SND NNSY 6270/1 (2-66)

PRODUCT NAME, NUMBER, SYNONYM

PERLITON LIQUID HEAT

NAME AND ADDRESS OF MANUFACTURER

E. F. Houghton & Company

1. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS. (Generalizations such as petroleum hydrocarbons, alcohols, ketones, chlorinated hydrocarbons, etc., are not adequate for toxicological evaluation. Proper chemical names are necessary.)	
COMPOUND	PERCENT
Sodium Cyanide	30-45
Barium Carbonate	30-45
Sodium Chloride	25-40
Blue dye	Less than 5%
2. SPECIFIC GRAVITY (Water=1)	
Not applicable, N/A	
3. VAPOR DENSITY (Air=1)	
N/A	
4. VAPOR PRESSURE MM. Hg. AT 25° C	
N/A	
5. pH	6. DOES MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION?
N/A	No
7. ACTION ON MATERIALS (Aluminum, magnesium, plexiglass, rubber, enamels, lacquers, etc.)	
In molten state, for use on steel only.	
8. DOES MATERIAL DECOMPOSE WHEN EXPOSED TO: AIR, WATER, HEAT, STRONG OXIDIZERS? SPECIFY.	
Keep away from water, strong oxidizers and organic materials. Product contains Sodium Cyanide!	
1. ACUTE AND CHRONIC ORAL TOXICITY	
Highly toxic, contains <u>Cyanide</u> and <u>Barium Carbonate</u> !	
2. LOCAL EFFECTS UPON EYES AND SKIN	
Major injury may result to eyes, may be irritating to skin.	
3. ESTIMATE OF ACUTE AND CHRONIC HAZARD BY INHALATION (Volatile materials)	
Non-Volatile when dry. Avoid inhalation when wet in neat form.	
4. WARNING PROPERTIES (odor, irritation to eyes, nose, or throat)	
Typical cyanide odor. See Labels.	
5. ESTIMATED THRESHOLD LIMIT VALUE (if not on current list of ACGIH)	
5 mgs. per cubic meter of air.	

C. FIRST AID	1. SKIN CONTACT-See instructions on attached Warning Label. Consult physician immediately.	2. EYE CONTACT Same as No. 1.
	3. INHALATION Same as No. 1	4. ANTIDOTE IN CASE OF SWALLOWING Same as No. 1

D. MISCELLANEOUS	1. PRECAUTIONS FOR NORMAL CONDITIONS OF USE - Do not mix with nitrate or nitrite salts under any circumstances. Explosion may result. Avoid contact with water. Keep away from strong oxidizers and/or organic materials. Observe precautions described on Labels.		
	2. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE Gather into dry container. See attached instructions for disposal.		
	3. TRANSPORTATION AND STORAGE REQUIREMENTS Store in dry place. Avoid contact with acids. See attached container labels.		
	4. RECOMMENDED PROTECTIVE EQUIPMENT Use face shield or goggles, asbestos gloves. Use respirator to avoid inhalation.		
	5. FLASH POINT *F CLOSED CUP: Not applicable, N/A OPEN CUP:		
	6. DOES FLASH POINT CHANGE DURING EVAPORATION? (If so, give data) N/A		
	7. EXPLOSIVE LIMITS (% volume of air) LOWER: N/A UPPER:		
	8. IS MATERIAL SUSCEPTIBLE TO SPONTANEOUS HEATING? No		
	9. FIRE POINT *F N/A	10. AUTO IGNITION TEMPERATURE N/A	11. VAPOR DENSITY N/A
	12. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? None. Product is used in Heat Treating.		
	13. SUITABLE EXTINGUISHING AGENTS N/A		

E. REMARKS	Avoid physical contact with molten salt. Use within working range, 1350 to 1675°F. Do not put <u>wet</u> tools or work in molten bath.
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INFORMATION FURNISHED BY (Name and Address of Firm)
 E. F. Houghton & Company
 303 West Lehigh Avenue
 Philadelphia, Pennsylvania

AUTHORIZED SIGNATURE AND TITLE
William Eismann, Manager Product Line Planning

DATE
 6/30/71

#2

E. F. HOUGHTON & CO.



THE HOUGHTON LINE
OILS · · CHEMICALS · · PACKINGS

303 WEST LEHIGH AVENUE · · PHILADELPHIA, PA. 19133

January 5, 1972

Mr. A. W. Wildanger
Douglas Aircraft Company
3855 Lakewood Boulevard
Long Beach, California 90801

Reference:

Gentlemen:

Thank you for your request concerning toxicological and safe
handling information on our product Perliton Liquid Heat

Attached is our standard form listing the desired information.

We hope that it will prove useful to you.

Sincerely,

E. F. HOUGHTON & CO.

C. R. Heinlen, Manager
Technical Information Services

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REK

Attachment